

CLAIMS

1. A vibration-isolating device connecting a vibratory body to a support body in a vibration-proof manner, which comprises a first attachment member having a shank portion to be attached to the vibratory body side, with its axis direction oriented in the vertical direction; a second attachment member having an opening surrounding the shank portion to be attached to the support body side; a vibration-isolating base made of a rubber-like elastomer interposed between the shank portion of the first attachment member and the opening of the second attachment member to connect the both thereby elastically supporting the first attachment member to the second attachment section in the vertical direction,

wherein the device is characterized in that a cylindrical portion extending downwardly from an opening edge of the opening is provided and a first stopper rubber is formed between the cylindrical portion and the shank portion while ensuring a clearance gap in a square direction to the axis direction, thereby providing a first stopper part limiting a horizontal displacement; and an extension portion extending from a lower end of the shank portion to face outwardly beneath said cylindrical portion is provided and a second stopper rubber is formed between the extension portion and a lower end of the cylindrical portion, while ensuring a clearance gap, thereby providing a second stopper part limiting an upward displacement of the first attachment member to the second attachment member.

2. The vibration-isolating device as set forth in claim 1, which is characterized in that said first stopper rubber is provided to cover an inner peripheral face of said cylindrical portion by a rubber linking from the vibration-isolating base; and said second stopper rubber is provided to cover a lower face of the cylindrical portion by a rubber linking from the first stopper rubber.

3. The vibration-isolating device as set forth in claim 1, which is characterized in that a third stopper rubber is provided on the second attachment member in the vicinity of the opening; and the first attachment member is provided with a receiver portion for the third stopper rubber opposing the third stopper rubber through a clearance gap, thereby providing a third stopper part limiting a downward displacement of the first attachment member to the second attachment member.

4. The vibration-isolating device as set forth in claim 1, which is characterized in that the first attachment member is comprised of an inner cylinder, which is the shank portion, and a bracket connecting the inner cylinder to the vibratory body side, said bracket being fastened to an upper end of the inner cylinder by means of a bolt inserted internally through the inner cylinder, a plate-

like stopper member being fastened to a lower end of the inner cylinder by means of said bolt, the extension portion being formed by said stopper member.

5. The vibration-isolating device as set forth in claim 4, which is characterized in that the inner cylinder is formed by press working of a metal plate into a cylinder form surrounding said bolt through a void and includes a bottom plate portion provided at its lower end with a through-hole for said bolt and an outwardly facing flange portion abutting on the underside of the bracket at its upper end.

6. The vibration-isolating device as set forth in claim 1, which is characterized in that the first attachment member is provided with a bracket connecting said shank portion to the vibratory body side; said shank portion is constructed of a first inner cylinder connected through the vibration-isolating base to the second attachment member and a second inner cylinder forming said first stopper part between the cylindrical portion of the second attachment member and the second inner cylinder and provided at its lower end with the extension portion, an upper end of the first inner cylinder being secured to said bracket with the bolt entered internally through the inner cylinder, a lower end of the first inner cylinder being secured to the second inner cylinder with said bolt.

7. The vibration-isolating device as set forth in claim 6, characterized in that said first inner cylinder is configured by press working of a metal plate into a cylindrical form surrounding the bolt through a void and is provided with a bottom plate portion having a through-hole for the bolt at its lower end and an outwardly facing flange portion abutting on the underside of the bracket at its upper end.